

CONSTRUCTION JOINT OPTIONS

CORNER DETAIL (PLAN VIEW)

Date

<u>06/23/0</u>5

8

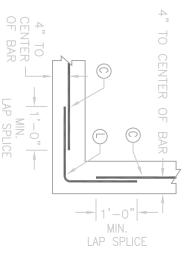
= CONSTRUCTION JOINT

IF SLAB AND WALL ARE POURED SEPARATELY, THE SLAB SURFACE MUST BE THOROUGHLY CLEANED WITH WATER AND A WIRE BRUSH. THE SURFACE OF THE JOINT SHALL BE KEPT MOIST FOR AT LEAST 1 HOUR PRIOR TO PLACEMENT OF NEW CONCRETE.

(PVC)

POURED AT THE SAME TIME ELIMINATING THE NEED FOR A CONSTRUCTION JOINT. THE SLAB AND WALL MAY BE

2



RESTRAINING SLAB OPTIONS SLAB CORNER DETAILS

SEE

PA-023 PA-024

*DRAINAGE SHALL BE AWAY FROM THE WALL.

*THE MINIMUM WIDTH OF THE BACKFILL AGAINST THE WALL

*THE BACKFILL HEIGHT.

*MAXIMUM FOOTING CONTACT PRESSURE IS 505 psf/ft. GENERAL DESIGN NOTES:

SHALL

BE EQUAL

TO OR GREATER

THAN

- DESIGN STRENGTHS:

CONCRETE WORKING STRESS DESIGN
00 psi •STEEL f_s = 20,000 psi

 $f_{C}^{*} = 4,000 \text{ psi}$ (GRADE 40)

WALL DESIGN LOADING: 313 STANDARD — LATERAL EARTH

SEE SECTION IV OF THE FIELD OFFICE

*MANURE LOAD INSIDE = 65 psf/ft.

*SOIL BACKFILL LOAD OUTSIDE = 60 psf/ft.

*SURCHARGE LOAD = 120 psf

*SOIL BACKFILL DENSITY = 110 pcf.

*WATER TABLE MUST BE BELOW THE FOOTING ELEVATION PRESSURE VALUES, TECHNICAL GUIDE.

• CONCRETE SHALL MEET PA 313 OR 561 SPECIFICATION REQUIREMENTS. • SUBSTITUTION OF GRADE 60 BARS IS PERMITTED. • MINIMUM SPLICE LENGTH FOR MARK (B) AND (C) BARS IS 12"

CONCRETE #4

(0.214 CU.YDS./LIN.FT.) (0.668 LBS./FT)

CU. YDS. LBS.

ESTIMATED QUANTITIES

STEEL QUANTITY DOES NOT INCLUDE SPLICE LENGTHS.

- WALL RESTRAINT REQUIREMENTS:
 5" THICK SLAB, SAFETY FACTOR AGAINST SLIDING 1.5 MIN

MARK

SIZE

QUAN

TYPE STEEL

Z

S

TOTAL LENGTH

00° 1-2° LENGTH

TOTAL LENGTH OF WALL

SCHEDULE

TYPE 2 BAR

w

STR STR

#4 BARS,

TOTAL LENGTH

3 FEET 2 FEET 1 FOOT 0 FEET	BACKFILL HEIGHT (OUTSIDE LOAD)
27 FEET 12 FEET NO SLAB NO SLAB	SLAB LENGTH NO INSIDE LOAD
NO SLAB NO SLAB NO SLAB	SLAB LENGTH FULL INSIDE LOAD

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPED IN COOPERATION WITH THE WISCONSIN DEPARTMENT OF AGRICULTURAL, TRADE AND CONSUMER PROTECTION. THE DESIGN FOLDER IS FILED AT THE NRCS STATE OFFICE, 8030 EXCELSIOR DRIVE, MADISON, WI. 53717-2906

DIMENSIONS ARE TO THE REINFORCING BAR SURFACE UNLESS OTHERWISE NOTED.

BACKFILL OF 2 FEET IS RECOMMENDED FOR FROST PROTECTION.

ADAPTED FROM WI-532, APRIL 2005)

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COUNTY, PENNSYLVANIA

3' HIGH, 8" L-WALL (W/SURCHARGE)